

IN THE SPECIFICATION:

On page 1, above line 1, please insert the following paragraph:

--CROSS REFERENCE TO RELATED APPLICATIONS

Applicant claims priority under 35 U.S.C. §119 of German Applications Nos. 102 46 747.1 filed on October 7, 2002 and 102 51 891.2 filed on November 7, 2002. Applicant also claims priority under 35 U.S.C. §365 of PCT/EP2003/009560 filed on AUGUST 28, 2003. The international application under PCT article 21(2) was not published in English.--

From page 14, line 7 to 18, to page 15, lines 1 to 8, replace with the following paragraph:

--Furthermore, it is possible, based on these measurement values, to determine the changes in the flow resistance in the pipeline system. For this, it would be necessary to compare the current measurement values with starting measurement values that are recorded and stored in memory at start-up of the system, for example. Furthermore, the method according to the invention is suitable for detecting changes in the flow resistance in the intake pipe system. For this purpose, not only is a precise volume flow measurement performed, but also a compensation of the influence of the air or fluid density ρ is performed, in order to be able to reliably determine the flow resistance. Using the stored starting values of the air stream and temperature sensors, as well as the current temperature and, if applicable, the current absolute air pressure, a correction factor is determined from a table set up for this purpose. This table is required